

## Substitute Specification (Clean Version)

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What is claimed is:

1. An electronic commerce method employing a products satisfaction index, the method comprising the steps of:

receiving sales products information from a seller, and storing the products information in a products information database;

receiving a product name and a price condition from a purchaser who joins as a member, and first retrieving a product to be purchased by the purchaser;

receiving various purchasing conditions on the first retrieved products from the purchaser, secondly retrieving the products to be purchased, and simultaneously comparing the products information inputted by the seller with the purchasing conditions, to compute products satisfaction indexes of the secondly retrieved respective products and purchase satisfaction prices from the products satisfaction indexes;

receiving values on the products satisfaction indexes from the purchaser, and thirdly retrieving the product to be purchased from the secondly retrieved products;

finally retrieving the product to be purchased from the thirdly retrieved products depending on a priority of the purchasing conditions determined by the purchaser; and

comparing the computed purchase satisfaction price of the finally retrieved products with a minimum sale approval price of the seller, to approve the purchase.

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2. The electronic commerce method as claimed in claim 1, wherein if the seller inputs the product name to input the products information on a specific product, item information and detailed information related to a corresponding product among item information and detailed information stored in a purchasing condition database are provided to the seller in a shape of a request of products information registration.

3. The electronic commerce method as claimed in claim 1, wherein if the purchaser inputs the purchasing condition on the first retrieved products, item information and detailed information related to a corresponding product among item information and detailed information stored in a purchasing condition database are provided to the purchaser in a shape of a purchasing condition input sheet.

4. The electronic commerce method as claimed in claim 1, wherein the products satisfaction is computed in accordance with a below equation:

$$Is = ( Nc / Nt ) \times 100$$

wherein, Is is the products satisfaction index, Nc is the number of the purchasing condition items identical to a field of the products information database, and Nt is the total purchasing condition items of the purchaser.

5. The electronic commerce method as claimed in claim 1, wherein the products satisfaction index is computed in accordance with a below equation:

$$Is = \{ ( xNcs + Nct ) / ( xNs + ( Nt - Ns ) ) \} \times 100$$

wherein, Is is the products satisfaction index, Ncs is the number of the purchasing conditions in case that a content of a "predominant item" of the products information database is identical to that of the item of "product selection criteria" among the purchasing condition items, Nct is the number of

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the purchasing condition items in case that the content of the "predominant item" of the products information database is no identical to that of the item of "product selection criteria" among the purchasing condition items,  $N_s$  is the number of purchasing condition items related to the "predominant item" of the products information database and the "product selection criteria" items among the purchasing condition items,  $N_t$  is the total purchasing condition items of the purchaser, and  $x$  is a weight on each item of which the contents is identical between the number of purchasing condition items related to the "predominant item" of the products information database and the "product selection criteria" items among the purchasing condition items.

6. The electronic commerce method as claimed in claim 1, wherein the purchase satisfaction price is computed in accordance with a below equation:

$$P_{sp} = P_s \times I_s$$

wherein,  $P_{sp}$  is the purchasing satisfaction condition,  $P_s$  is the selling price of individual product, and  $I_s$  is the products satisfaction index.

7. The electronic commerce method as claimed in claim 1, wherein the purchase satisfaction price is computed in accordance with a below equation:

$$P_{sp} = P_s - P_r = P_s - \{P_s \times (100 - I_s)\} / 100 = P_s - (P_s \times I_u) / 100$$

wherein,  $P_{sp}$  is the purchasing satisfaction condition,  $P_s$  is the selling price of individual product,  $P_r$  is the reduced price,  $I_s$  is the products satisfaction index, and  $I_u$  is the products dissatisfaction index.

8. The electronic commerce method as claimed in claim 1, wherein if the product to be purchased is retrieved depending upon a priority of the products

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satisfaction index or the purchasing condition, a comparative specification indicative of the information on the corresponding products is provided.

9. The electronic commerce method as claimed in claim 1, wherein in case of a product set of which the finally retrieved product is combined with other product, a purchasing condition input sheet is provided for retrieving the product through a multitasking while the finally retrieved product is maintained as it is, the products satisfaction index and the purchase satisfaction price for the product are computed by inputting proper conditions, and analogous retrieved products suitable for the conditions is presented, such that one other product is selected from the represented retrieved products.

10. The electronic commerce method as claimed in claim 1, wherein after the first retrieve and before offer of the detailed purchasing condition input sheet, the detailed purchasing condition input sheet displayed with basic establishing information on a part of the items is provided to a user.

11. An electronic commerce system, in which a plurality of purchaser clients and a plurality of seller clients are accessed to an electronic commerce server via a network, the system comprising:

a purchasing condition database for storing item information of a purchasing condition input sheet provided to the purchaser client and detailed information related to each item every product;

a products information database for receiving products information from the seller client;

a products information input module for extracting items capable of being regarded as purchasing conditions of the purchaser client related to the product which is to be sold by the seller client, from the purchasing condition

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database to prepare a request of products information registration which is provided to the seller client, so that the products information is stored in the products information database;

a purchasing condition input module for providing the purchaser client with a purchasing condition input sheet to receive a basic purchasing condition and a detailed purchasing condition by referring the item information of the purchasing condition input sheet provided to the purchaser client and the detailed information related to each item;

a products satisfaction index computing module for comparing the products information stored by the seller client with the purchasing condition inputted by the purchaser client to compute a products satisfaction index of individual product;

a purchasing satisfaction condition computing module for computing a purchasing satisfaction condition from the computed products satisfaction index.

a retrieve module for receiving a product name and a price condition, first retrieving the product, secondly retrieving the product depending upon various purchasing conditions, thirdly retrieving the product depending upon the product satisfaction index, and finally retrieving the product depending upon a priority of the purchasing conditions;

a purchase approval module for determining whether the purchasing satisfaction condition of the product selected by the purchaser client belongs to a range of a sale approval price of the seller client, based on the final retrieve, displaying a result of the purchase approval on a screen, and storing the purchasing specification in the purchasing specification database; and

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a control module for controlling a data stream between the modules and storage and output of the data from the databases.